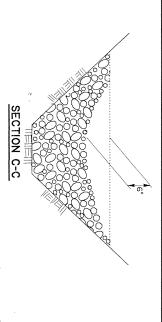


Mulches are the application of mats of material placed on the soil surface to prevent erosion by protecting the soil surface from raindrop impact and to reduce the velocity of overland flow. Mulches can be organic or synthetic. Mulches shall be in accordance with subsection 1018.19 of the LA DOTD Standard Specifications. A few guidelines for the use of Mulches are:

1. Use on out and embankment slopes which have not been completed to plan grade or where the weather or soil conditions will not permit completing them within a reasonable time;

- Use with temporary seeding. Use on cleared, grubbed, and scalped areas where soil erosion is likely to occur;

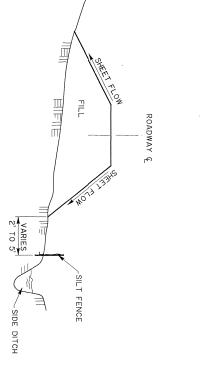


TEMPORARY SEDIMENT CHECK DAM (STONE) PAY ITEM: 204(05)(B), TEMPORARY SEDIMENT CHECK DAM (STONE)

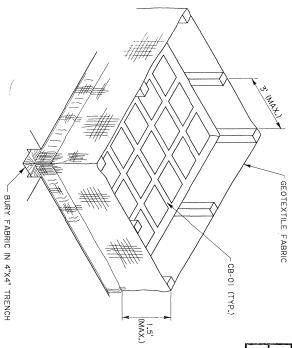
A stone check dam is a small temporary dam constructed across a swale or drainage ditch. The purpose of this measure is to reduce the velocity of concentrated stormwater flows, thereby reducing erosion of the swale or ditch. The stone check dam will trap small amounts of sediments generated in the ditch itself, however it should not be used as a sediment trapping device. A few basic design guidelines for the use of Stone Check Dams are:

- Use in small open channels which drain 10 acres or less; Do not use in a live stream; use in a lemporary ditch or swale which, because of their short length of service, cannot receive a non-eradible lining; Use in permanent ditches or swales which will not receive a permanent lining for an extended period of time;
- Use in temporary or permanent ditches or swales which need protection during the establishment of grass linings.

TEMPORARY SILT FENCE APPLICATION (FOR CONSTRUCTION DETAILS AND SPECIFICATIONS SEE SHEET 2 OF 2.)







BACKFILL SOIL 4"X4" TRENCH GEOTEXTILE FABRIC F.A.P.

STATE PROJECT

PARISH

SHEET NO.

POST

VIEW SHOWING GEOTE (BACKFILL SOIL NOT SHOWN) XTILE FABRIC

The temporary drop inlet slif trap is to be used for small drainage areas (less than I acre) where the storm drain is functional before the area is stabilized. The trap can be either geotextile fabric or hay bales.

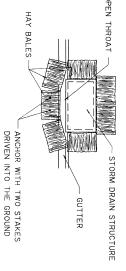
SECTION THRU TRENCH SHOWING GEOTEXTILE FABRIC

The geotextile fabric shall conform to Section 1019 (Type G) of the LA DOTD Standard Specifications.

Wooden stakes supporting the fabric shall be 2" x 2" or 2" x 4" with a minimum length of 3 feet. The stakes shall be spaced around the inlet at a maximum spacing of 3 feet.

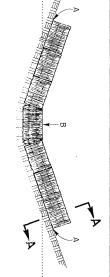
The height of the fabric above the inlet shall be limited to 1.5' and the bottom of the fabric shall be buried in a trench approximately 4'' wide by 4'' deep. The fabric shall be stapled to the post with 1/2'' staples.

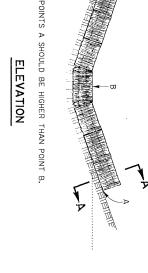
The trap should be inspected regularly and after each storm. The sediment should be removed and make sure each stake is firmly in the ground.

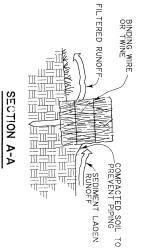


PLAN SHOWING HAY BALES
PAY ITEM: 204(02), TEMPORARY BALED HAY OR STRAW

TEMPORARY INLET SILT TRAP







TEMPORARY SEDIMENT CHECK DAM (HAY)
PAY ITEM: 204(05)(A), TEMPORARY SEDIMENT CHECK DAM (HAY)

A hay bale barrier is a temporary sediment barrier consisting of a row of entrenched and anchored bales of straw or hay. The hay bale barrier is also used as a check dam to reduce the velocity in small ditches or swales. The hay bales shall be in accordance with LA DOTD Standard Specifications, Section 204. A few basic design guidelines for the use of a Hay Bale Barrier are:

- maximum drainage area
- Use where erosion would occur in the form of sheet and rill erositon;
 Use in minor swales or ditches where the maximum drainage a is 2 acres;
 Only use where the effectiveness is required for less than 3 months;
 Do not use in live streams or in swales or ditches where there is a possibility of a washout. or ditches where there

REVISIONS	DESCRIPTION				
	ВҮ				
Approved By Chief Engineer Original Signed by Chi	BY CHECKED	DESIGNED JCM	DEPARTMENT OF	·	
Original Signed by Chi	снескер ЈСМ	DETAILED KAJ	 DEPARTMENT OF TRANSPORTATION	STATE OF LOUISIAN	

DATE

TEMPORARY EROSION EC-O!

SHEET OF 2

DATED January 14, 1994 CONTROL DETAILS

AND DEVELOPMENT cadd/dgn/stdplans

rilename ecol.dgn